

Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A method of driving a display panel made up of (n x m) display elements respectively disposed at different crossover points of a matrix formed of n rows of scanning lines and m columns of data lines, the method comprising variably controlling [[a]] respective constant current [[value]] values for driving the respective data lines,

wherein said variably controlling [[a]] the constant current values [[value]] is implemented by individually comparing a voltage of each of the respective data lines as driven by the constant current values, with a reference voltage.

Claims 2-5 (Canceled)

Claim 6 (Original): The method of driving a display panel according to claim 1, wherein the display elements are organic EL elements.

Claim 7 (Currently Amended): A drive of a display panel for driving (n x m) display

elements respectively disposed at different crossover points of a matrix formed of n rows of scanning lines and m columns of data lines, the display elements each having an anode connected to a respective one of the data lines and a cathode connected to a respective one of the scanning lines, the drive comprising:

first switching means for changing over between connection of the respective data lines to respective variable current sources and connection thereof to ground;

second switching means for changing over a potential of the respective scanning lines between a power supply potential and ground;

driving means for controlling the first switching means and second switching means responsive to input data;

comparison means respectively provided for ~~[[in]]~~ each of the data lines and coupled to outputs of the respective variable current sources, each for outputting a control signal by comparing a reference voltage from a reference voltage generator with a potential of the respective data lines; and

current control means for individually controlling respective ~~[[a]]~~ current values flowing from ~~[[of]]~~ the variable current sources ~~provided in to~~ the data lines, based on respective results of comparison executed by the ~~respective~~ comparison means.

Claim 8 (Previously Presented): The drive of a display panel according to claim 7, wherein the comparison means detect a decrease in current of the respective variable current sources based on an increase in potential of the respective data lines to thereby control an increase of the current of the respective variable current sources, and detect an increase in the current of the respective variable current sources based on a drop in the potential of the respective data lines to thereby control a decrease of the current of the respective variable current sources.

Claims 9-10 (Canceled)

Claim 11 (Original): The drive of a display panel according to claim 7, wherein the display elements are organic EL elements.

Claim 12 (Currently Amended): A drive of a display panel for driving (n x m) display elements respectively disposed at respective crossover points of a matrix formed of n rows of scanning lines and m columns of data lines, the display elements each having an anode connected to a respective one of the data lines and a cathode connected to a respective one of the scanning lines, the drive comprising:

a first switching unit that changes over between connection of the respective

data lines to respective variable current sources and connection thereof to ground;

a second switching unit that changes over a potential of the respective scanning lines between a power supply potential and ground;

a drive control circuit that controls the first switching unit and the second switching unit responsive to input data;

comparators respectively a comparator provided ~~[[in]]~~ for each of the data lines and coupled to outputs of the respective variable current sources, the comparators output ~~[[a]]~~ control ~~signal~~ signals by comparing a reference voltage from a voltage regulator with a potential of the respective data lines; and

~~[[a]]~~ current control circuits respectively circuit provided for each of the data lines, the current control circuits individually control ~~circuit controls~~ current values flowing from ~~[[of]]~~ the respective variable current sources ~~provided for~~ to the data lines, based on respective results of comparison by the comparators.

Claim 13 (Previously Presented): The drive of a display panel according to claim 12, wherein the comparators detect a decrease in the current of the respective variable current sources based on an increase in the potential of the respective data lines to thereby control an increase of the current of the respective variable current sources, and detect an increase in the current of the respective variable current sources based

on a drop in the potential of the respective data lines to thereby control a decrease of the current of the respective variable current sources.

Claims 14-15 (Canceled)